

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION

5 ENTITLED : A NIB AND METHODS OF TREATING AN ELONGATE
ELEMENT DESIGNED TO FORM SUCH A NIB

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ABSTRACT OF THE DISCLOSURE

The nib is constituted by a segment of a coherent,
elongate element of high porosity material, with at least
20 a first end shaped to form a writing tip. The pores
and/or capillaries of said material are blocked over a
limited thickness e, in particular in the range 0.01 mm
to 1 mm, at the longitudinal outer periphery of the
elongate element, with the exception of the first end
25 forming a writing tip. In a first variant, blocking is
obtained by a sealing agent and performed by continuously
impregnating the elongate element with a sealing bath,
and setting the agent. In a second variant, the nib is
constituted by sintered microbeads and blocking is
30 obtained by localized hot-melting of the microbeads.